

IN THE CLAIMS

Please amend the claims as follows:

1. (original) In a controller, a method for putting an inactive net in a group communication network into a dormant mode, the method comprising:
determining whether the net has been inactive for a predetermined time period; and
causing the net to enter the dormant mode if it is determined that the net has been inactive for the predetermined time period.
2. (original) The method of claim 1, wherein the causing includes ordering each participating communication device in the net to release its air-traffic channel.
3. (original) The method of claim 2 further including:
maintaining sufficient connection for each participating communication device in the net for sending an out-of-dormant command.
4. (original) The method of claim 2, wherein each participating communication device may ignore a go-dormant order.
5. (original) The method of claim 1, further including:
causing a new communication device attempting to participate in the net to enter the dormant mode.
6. (original) The method of claim 1, further including:
informing each participating communication device in the net that the net is put in the dormant mode.
7. (original) In a controller, a method for bringing a net in a group communication network out of a dormant mode, the method comprising:
receiving a floor-control request from a participating communication device in the net; and
bringing the net out of the dormant mode if the request is granted.

8. (original) The method of claim 7, wherein the bringing the net out of the dormant mode includes sending wake-up commands to participating communication devices in the net before bringing the net out of the dormant mode.

9. (original) The method of claim 8, further including:
receiving responses to the wake-up commands from a number of participating communication devices in the net before bringing the net out of the dormant mode; and
bringing the net out of the dormant mode if the number exceeds a predetermined threshold number.

10. (original) The method of claim 9, further including:
un-registering communication devices that fail to respond to the wake-up requests within a predetermined time period.

11. (original) The method of claim 10, further including:
re-registering a communication device that later asks to re-join the net.

12. (original) The method of claim 8, further including:
bringing the net out of the dormant mode after a predetermined time period following sending the wake-up requests.

13. (original) The method of claim 7, further including:
buffering information received from the participating communication device before bringing the net out of the dormant mode.

14. (original) The method of claim 7, wherein the receiving includes receiving the floor-control request from a push-to-talk (PTT) device.

15. (original) In a controller, a computer-readable medium embodying a method for putting an inactive net in a group communication network into a dormant mode, the method comprising:

determining whether the net has been inactive for a predetermined time period;

and

causing the net to enter the dormant mode if it is determined that the net has been inactive for the predetermined time period.

16. (original) In a controller, a computer-readable medium embodying a method for bringing a net in a group communication network out of a dormant mode, the method comprising:

receiving a floor-control request from a participating communication device in the net; and

bringing the net out of the dormant mode if the request is granted.

17. (original) A controller for bringing a net in a group communication network out of a dormant mode, comprising:

means for receiving a floor-control request from a communication device in the net; and

means for bringing the net out of the dormant mode if the request is granted.

18. (original) A controller for putting a net in a group communication network into a dormant mode, comprising:

means for determining whether the net has been inactive for a predetermined time period; and

means for causing the net to enter the dormant mode if it is determined that the net has been inactive for the predetermined time period.

19. (original) A controller for putting an inactive net in a group communication network into a dormant mode, comprising:

a receiver to receive information over the network;

a transmitter to transmit information over the network; and
a processor communicatively coupled to the receiver and the transmitter, the processor being capable of:
determining whether the net has been inactive for a predetermined time period; and
causing the net to enter the dormant mode if it is determined that the net has been inactive for the predetermined time period.

20. (original) A controller for bringing a net in a group communication network out of a dormant mode, comprising:

a receiver to receive information over the network;
a transmitter to transmit information over the network; and
a processor communicatively coupled to the receiver and the transmitter, the processor being capable of:
receiving a floor-control request from a participating communication device in the net;
and
bringing the net out of the dormant mode if the request is granted.

21-25. (Canceled).